

IN THE CLAIMS

Please amend claims 3-7 as follows.

1. (Original) An automatic analyzer, including:
 - a reagent vessel for containing a reagent;
 - a pipette probe that has a liquid surface detection function and dispenses a reagent from said reagent vessel;
 - a reaction vessel for containing a reagent that is dispensed from said pipette probe;
 - an analysis mechanism for measuring a reaction between a reagent and a sample within said reaction vessel;
 - a storage means for memorizing liquid surface position information that is acquired by said liquid surface detection function;
 - a liquid surface estimation mechanism for estimating the current liquid surface position in accordance with time-sequential changes in liquid surface information stored by said storage means; and
 - a function for controlling a dispensing operation of said pipette probe in accordance with the result of liquid surface estimation by said liquid surface estimation mechanism.

2. (Original) The automatic analyzer according to claim 1, further comprising an agitation mechanism for stirring a reagent within said reagent vessel.

3. (Currently Amended) The automatic analyzer according to claim 1-~~or~~-2, wherein said liquid surface estimation mechanism calculates the reagent liquid surface position by the least-squares method and in accordance with time-sequential changes in the result of reagent liquid surface height detection within a reagent vessel.

4. (Currently Amended) The automatic analyzer according to claim 1-~~or~~-2, wherein said liquid surface estimation mechanism calculates the reagent liquid surface position using the difference from the liquid surface height determined during the last reagent dispensing operation and in accordance with time-sequential changes in the result of reagent liquid surface height detection within a reagent vessel.

5. (Currently Amended) The automatic analyzer according to ~~any one of claims 1 to 4~~, further comprising a mechanism for automatically compensating for the amount of a carryover that remains on the outer circumferential surface of

· said pipette probe when a reagent is dispensed with said pipette probe.

6. (Currently Amended) The automatic analyzer according to ~~any one of claims 1 to 4~~, further comprising a mechanism for automatically compensating for the amount of reagent evaporation from a reagent vessel.

7. (Currently Amended) The automatic analyzer according to ~~any one of claims 1 to 6~~, further comprising a mechanism for cleaning a pipette probe more extensively during dispensing than in a normal dispensing operation if a difference greater than predefined exists between the liquid surface height estimated by said liquid surface estimation mechanism and the liquid surface height measured by said liquid surface detection function.